

AL HURAIZ
AUTOMATION

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Company profile

Al Huraiz Establishment for Industry was founded in 1974 by the late Mr. Hamad Mohammed Al Huraiz in Dubai. Ever since its inception Al Huraiz Est. has grown into fivefold and now stands as a leading group diversifying into a wide range of business activities. Al Huraiz Establishment consists of a dedicated team of managers, engineers and technicians working as a single large family to safeguard the standards of the company. The dedicated teams are on a continuous drive to improve the quality of life by providing innovative products and live up to the customer expectations.

Al Huraiz Automation is a division of Al Huraiz group, covering a wide range of application and process to customize products/solutions and services to fit the customer's needs based on latest technology platform. Al Huraiz Automation advocates the corporate spirit of performance oriented innovation, cooperation and efficiency. A key to our role as an automation system solutions provider is maintaining a strategic portfolio of products, which enable us to offer our customers dependable, far sighted and forward compatible solutions.

Al Huraiz Automation—One shop solution, are committed in serving the full range of electromechanical and pneumatic automation products, sensors, drives, motors, controls, actuators and Valves.

Automation in Food packaging industries has been our forte we have been on the constant drive to undertake and meet new challenges to delight the end customer.

Our range consists of

- Industrial Sensors
- Panel Board accessories
- Drives and motors
- Pneumatic accessories
- Industrial Automation solution

Our product ranges

- Programmable Logic Controller (PLC)
- Human Machine Interface (HMI)
- Industrial Pneumatic Products & accessories
- Variable Frequency Drive (VFD)
- Industrial Sensors (Inductive/capacitive/Photo sensor)
- Industrial Safety Sensor
- AC Gear Motor
- AC Servo Motor and Drives
- Power Contactors and Motor Protection
- Aluminium profiles & Accessories
- Control panel components (Push Buttons, Indicator and Terminal Blocks)
- Temperature Controller and Recorder
- Timer and Counter
- Encoder & SCR
- Limit Switches & Foot Switches
- Sigtower & Signal Lights

Programmable Logic controller (PLC) Human Machine Interface (HMI)

Kinco

Kinco Automation (Shanghai) Ltd. and its subsidiary, Kinco Electric (Shenzhen) Ltd., are private high-tech enterprises specialized in the research, development, and production of automation products. Kinco has established full line of automation products such as industrial human-machine interfaces, AC servo systems, and stepper systems, PLC and industrial fieldbus products with proprietary intellectual property rights. Kinco has become a leading supplier of machine automation solutions.

Smart choice of compact PLC



K3 PLC support IL & LD languages
The project architecture complies with the IEC61131-3 Software model
Suitable for most machine controls and some small-scale process controls
114 basic instructions & 420 expansion instructions are provided
Reliable , highly cost Effective
Abundant expansion modules satisfy different application

1,000,000 + KINCO HMIs are running all over the world, 24/7



Kinco Open HMI suitable for versatile application such as industrial automation and intelligent home management system.
PLC-HMI all -in-one solution, with CoDeSys SDK and tools available for proprietary application development
Supports Serial ports, USB host/Client ports, Ethernet ,Profibus-DP/CAN open/ MPI interfaces
Optional Video input & audio Output for multimedia applications

Kinco MV100/EV100 Series VFDs



Power ranges from 400W – 90KW
Excellent Performance
Wall-mounted
All Series Support RS 485 Communication , FV series support CAN bus communication
Rapid response for custom products and can be custom made easily
Over Current protection, speed -loss protection, never tripping function.
Four quadrants max output torque limit function

Industrial Pneumatic Products & Accessories



TAIWAN CHELIC CORP LTD was established in 1986 and located in NEW TAIPEI CITY, TAIWAN. Main products are pneumatic automation components including air line service unit , air control valves, vairy actuators, grippers , vacuum ejectors , fittings , assembly pick and place robots and hydraulic components ... etc. These pneumatic products are widely used in various manufacturing sectors, maintenance equipment , automation equipment , medical instrument and education equipment etc.

Air Units



Air Filter
Filter Regulator
Regulator
Lubricator
Mist Separator
AFB exhaust Valve
Auto Drain Trap

Valves



SM series Solenoid Valve
3 Ports 2 Positions Solenoid Valve
Solenoid Valve Base Mounting type
Pilot Valves
Mechanical Valve
Hand Operated Valve
Foot Valve
Steam /Water Valve

Air Cylinders



Magnetic Rodless Cylinder
Rodless Cylinder
Slide Table Cylinder
Standard Cylinder
Rod / End Lock Cylinder
Booster/Booster Cylinder
Air -Oil Cylinder
Cartridge Cylinder
Pen Cylinder
Stainless Steel Cylinder

Industrial Pneumatic Products & Accessories



Grippers



Angular Grippers
Parallel Grippers
Wide Type Air Grippers
Three finger Air Gripper

Vacuum Equipment



Vacuum Ejectors
Vacuum Pads/ Double Tiers type
Vacuum Filters

Rotary Cylinders



Rotary Cylinder
Swing Clamp Cylinder
Hydraulic Cylinder

Industrial Pneumatic Products & Accessories



Fitting



Straight(Male / Female) / Union Straight
Branch Tee / Y /Double Y
Elbow 90 degree / Long Elbow
Female Universal Elbow
Female Branch A
Plug
Nipple
Hand Valve

Accessories



Cylinder Float Joint
Manually Operated Valve
Plastic / Brass Silencer
Shock Absorber
Hydraulic Regulator
Air reservoir
PU / Nylon tubing

Sensor & switch



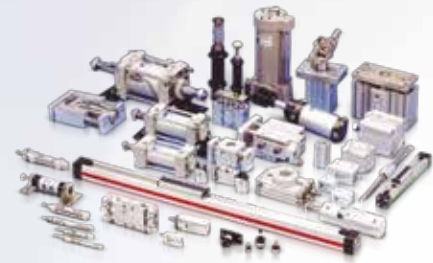
Sensor Switch
Pressure Switch

Industrial Pneumatic Products & accessories



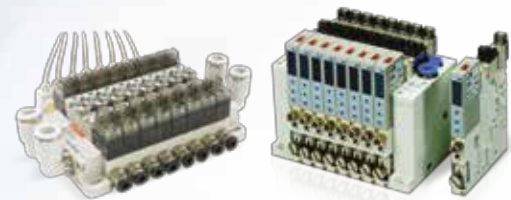
TPC opened the new era of domestic factory automation based on company principle, Creation, Determination and Action, in 1973, TPC has steadily continued its growth in trade, distribution business, pneumatic equipment business, environmental contamination prevention business, agricultural economy structure development business and vehicle rear safety warning device business for last 30 years.

Actuators



Actuator Ram Cylinder
Air Blow Unit
Air Hydro Cylinder
Floating Unit
Compact Cylinder
Double rod Cylinder
Positioner
Rotary Cylinder
Shock Absorber

Vacuum Equipments



High Flow Vacuum Generator
Vacuum Ejector
Vacuum regulator
Vacuum Sensor

Clean Room Equipment



Clean Compact Cylinder
Clean regulator
Clean Round Cylinder
Clean Table cylinder

Directional Control Valves



Solenoid Valve
Check Valve
Hand Valve
ISO Solenoid valve
ISO sandwich regulator
Quick Exhaust Valve
Shuttle Valve

Industrial Pneumatic Products & accessories



Air Preparation Equipment



High Performance Air filter
Refrigerated air dryer

Air Preparation Unit



Check Valve
Filter
Manifold
Precision regulator
Coalescing Filter
FRL Accessories
Combination

Air accessories



Check Valve
Compact fitting
Floating fitting
Hand Valve
Inch Fitting
One /Two touch Fitting
Poly urethane tube

Pressure Switches and Sensors



Auto switch for Cylinders
Digital Pressure sensor
Pressure switch
Vacuum pressure switch

Variable frequency drive (VFD)

TECO

The forerunner of TECO SA was Taian electric, which was established in March 1969 and merged with TECO in October 2003. Ever since its establishment, SA devotes to the industrial automation technology. SA's products include AC/DC Motor Controllers, molded-case circuit breakers, switchgear, variable frequency drives, programmable logic controllers and servo drivers. The sturdy automation appliances not only meet the fundamental safety requirement, but also provide energy-efficient system automation solution.

Variable frequency drive (VFD)



Application range from 0.2KW to 1500 KW
High Performance. Faster A/D conversion & Torque compensation
Output frequency up to 650Hz
Built-in Modbus RS485 Communication
Supports Profibus/Devicenet/Ethernet(TCP/IP)/CAN open
Built-in Digital display and keypad including speed adj. potentiometer
Built-in EMI filter & auto run
Auto carrier frequency change to limit inverter over temperature

Programmable Logic Relay



Lower Price variant models
Basic module (Vtype) built-in Modbus Port(RTU)
8 channel I/O link & Remote I/O communication port
Built-in RTU will be operational up to 240 hrs after power off
Relay output (max 8A)/transistor output (max0.5A) & 2PWM(1KHZ) outputs also available
Password protection available
Built-in 31 multifunction timers,31 sets of counter, 31 RTC comparators and 126 Auxiliary,31 analog compare.
Supports Profibus-DP, Devicenet, Modbus RTU, Ethernet(TCP/IP)

Programmable Logic Controller



TP series PLC 14/20/26/30/36/40/60I/Os expandable up to 256 DI/O's and 60/10 analog I/O's LD.
IL,FBD & SFC programmable languages available
2 high speed pulse output can be easily to control servo drives
Profibus ,devicenet and Ethernet (TCP/IP)

Industrial sensors (Inductive/capacitive/Photo sensor)

LANBAO

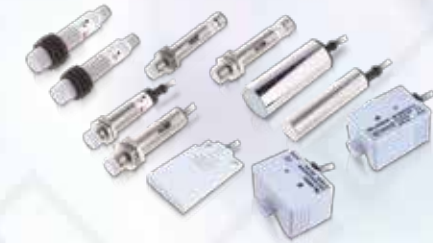
Lanbao industrial sensors covers over 30 series, 3000 specifications, main products are inductive sensors, photoelectric sensors, capacitive sensors and pressure sensors. Lanbao has been making continuous breakthrough in new technology and new material application, which laid the foundation of its leading position in sensing technology.

Photo Electric sensor



Diffuse Reflection
Retro Reflection
Through Beam
Focus reflection
Polarized reflection
Optic fiber sensors
Mark Sensors
Area sensors

Capacitive Sensor



Extended Sensing
Pipes type
High temperature

Inductive Sensor



Extended Sensing
Analog Output
High Temperature
High Pressure

Connection Cable & reflector



M8 /M12 Connector
Core Wire : 2 ,3 & 4 Pins Male / Female Screw
Outputs: LED with PNP /NPN
Cable Material : PVC /PUR
Cable Length : 2m / 5m /10m

Industrial Safety Sensors



The company Reer was founded in 1959 in Turin, Italy, on the base of a strong vocation to innovation and technology. With time, an industrial dimension was added and developed, which turned the company into a reference point for automation in Italy and worldwide. Thanks to its Safety Division Reer is today one of the world's leading companies in the design and manufacture of optoelectronic sensors for industrial safety.



Type 2 Integrated Compact Light Curtain
 Type 4 Integrated Compact Light Curtain
 Type 3 laser scanner
 Emergency Stop Module
 Safety relay
 Laser alignment device



AC Gear Motors

ZIK

AC Motors



The Grade coverage of the power is from 0.06Kw to 7.5Kw and there are 8 frames specification. The aluminum alloy casting whole structure, good sealing performance. And meet the standard of IP54, IP55 for the outside shell protection. Heat sink design for cooling provides great surface area and high thermal capacity, so that the motor can work well in the very terrible operating environment.

AC Gear Motor

ZIK

RW Worm Reducer



High Quality die casting aluminum alloy housing, suitable for universal mounting
 Heat sink design for cooling provides great surface area and higher thermal capacity than the casing iron housings
 Q25 to 150, with power scope from 60W to 15 Kw
 Larger speed ratio range. Each frame size has 12 ratios from 5:1 to 100:1
 Hardened worm with fine grinding has the features of higher efficiency and big output torque.

AC servo Motor and Drives

Kinco

TECO

Servo and Stepper systems



Power range from 200W to 2 KW
 Over voltage, current & heat protective measures available
 Easy configuration with built in operation panel or PC software
 High response frequency, the band width of speed loop can be up to 600 Hz
 Support multiple control modes like pulse and analog
 Support automatic gain tuning, suitable for most application

Power Contactors and Motor Protection

TECO

Power Devices



Circuit Breakers
 Manual Motor starter
 Contractor
 Thermal Over load relays.

Aluminium profiles & Accessories

Alusic

The company ALUSIC produces and distributes aluminium accessories and structural profiles. ALUSIC system is very versatile to replace light steelwork but also for automation, can be carried out work positions and benches, aluminium structures, conveyors belt, linear systems, linear guides, safety protections and so much, everything who can be of service and connectable to new advanced technological ideas.

Standard Profiles



The line of profiles and accessories Alusic is composed by four big families divided according to slot width and dimension of multiple of base. The four main groups of products are:

Profiles slot 6 mm series 30 mm
 Profiles slot 8 mm series 40 mm
 Profiles slot 8 mm series 45 mm
 Profiles slot 10 mm series 45 mm

Accessories for Extruded aluminium profiles



The available range include in fact slot width 6, slot width 8 and slot width 10 components and it's continuously in evolution, in attempt to meet in an always effective way customers requirements, operating in various fields of mechanics design

Round Profiles



The bases of the system are the profiles with registered design which can be used with a wide range of accessories ideal for any kind of applications in industrial production.

Liner Guides



Components for linear systems ALUSIC represent a quick and functional solution for the realization of sliding, like handling working positions for transportation and support of tools used in production activity.

Belt Conveyors



Conveyor belts with rollers diameter 20mm / 30mm / 50mm / 95mm
 Conveyor belts series 1000
 Conveyor belts series 2000, series with hinged chain.

Control Panel Components (Push button, Indicator and Terminal Blocks)



NHD a thirty-year old company in Taiwan, is a leading manufacturer of magnetic switches. In 1995 NHD was awarded Symbol of Excellence by the National Standards Bureau. In 1998 NHD was awarded ISO-9002 international certificate, and earned ISO-9001: 2000 certificate in 2001. NHD manufacture C-series, S-C series magnetic switches and C-series contactor.

Pilot Lamp



Normal Round Head
 Simple Flush head
 Various Voltage Rating AC.Dc24 V / 100-120V / 220-240 V / 380-440V

Push Buttons



Illuminated / Non – Illuminated
 Various Voltage Rating AC.Dc24 V / 100-120V / 220-240 V / 380
 Flush / Elevation / Mushroom Head

Selector Switches



Illuminated / Non – Illuminated
 Various Voltage Rating AC.Dc24 V / 100-120V / 220-240 V / 380
 Normal / Long Shaft / key types
 2 / 3 Position with spring return

Terminal Block



Din drive Terminal Blocks from 2.5Sqmm to 95Sqmm
 Earthing Terminal from 4E to 35E

Control Box



Control Box from 1 hole to 4 holes
 Cap color – Yellow
 IP66 water & Dust Proof

Control and Measurement Devices

HANYOUNG NUX

Leader in auto control and measurement industries - HANYOUNG NUX CO., LTD.
We are making a successful future with customers.
We are supplying temperature control, measurement instruments, Timer, Counter, Panel meter and Proximity sensor which are necessary in automation industry.

Programmable Temperature & Humidity Controller



Compact design
TFT LCD screen with touch panel function
Control with high accuracy
Independent PID control for temperature & humidity
Universal input(RTD / TC/VD.C) & Output(Relay/SSr/SCR)
RS232 , RS 485 and USB communication support
PID auto tuning.

Hybrid & Graphic Recorder V



Compact design
TFT LCD screen with touch panel function
PID Auto tuning
Universal input(RTD / TC/VD.C)
RS232 ,RS422/ RS 485 communication support
Various Alarms

Analog Timer /Digital Counter. Timer



Wide operating Voltage
MCU for precise time control
Various Time ranges
Built-in Battery
Yearly & weekly program setting
External output power 12V200mA

Thyristor Power Regulator / Solid state relay



Phase control / Cycle control
Soft Start / Down
Various Alarm
High Insulation Between I/O
Compact , Light weight & Large Capacity
High reliability & safety

Control and Measurement Devices

HANYOUNG NUX

Photo & Proximity sensor, Rotary Encoder



High Precise Photo sensor
Compact size & water proof structure (IP67)
Fully Protective (Surge /Reverse polarity /Power)
Suitable for various usages
Various output

Limit Switches



Solid Die casting & Built in the 3 circuits double micro switches

Various Actuator provide wide application IP67 protective.

Main switch/Cam switch/Foot Switch/ Hoist Switch



Rapid Switching Structure
Built in Micro switch that has excellent contact reliability
High mechanical safety
Economical price

Sign Tower / Signal Lights



2 Kinds of buzzers (75 -90 dB from 1m Distance)
Flashing Lights(60tpm & continuous light-emitting functions
Built-In 4 Melody tones (90dB)
Excellent Diffusivity & ultra slim wall mount type

